



RCA-32

SCREEN GRID R-F AMPLIFIER

| | | | |
|-------------------------------------|--------|------------|---------------------|
| Filament | Coated | | |
| Voltage | 2.0 | | d-c volts |
| Current | 0.060 | | amp. |
| Direct Interelectrode Capacitances: | | | |
| Grid to Plate (with shield-can) | | 0.015 max. | µpf |
| Input | | 5.3 | µpf |
| Output | | 10.5 | µpf |
| Overall Length | (2) | (3) | 4-25/32" to 5-1/32" |
| Maximum Diameter | | | 1-13/16" |
| Bulb | | | ST-14 |
| Cap | | | Small Metal |
| Base | | | Medium 4-Pin |
| Pin 1-Filament + | (1) | (4) | Pin 4-Filament - |
| Pin 2-Plate | | | Cap |
| Pin 3-Screen | | | Grid |

BOTTOM VIEW

AMPLIFIER (Class A)

| | | | |
|---|------|----------|------------|
| Operating Conditions and Characteristics: | | | |
| Filament | 2.0 | 2.0 | volts |
| Plate | 135 | 180 max. | volts |
| Screen | 67.5 | 67.5 | max. volts |
| Grid | -3 | -3 | volts |
| Amp. Fact. | 610 | 780 | |
| Plate Res. | 0.95 | 1.2 | megohms |
| Mut. Cond. | 640 | 650 | µmhos |
| Plate Cur. | 1.7 | 1.7 | ma. |
| Screen Cur. | 0.4 | 0.4 | max. ma. |

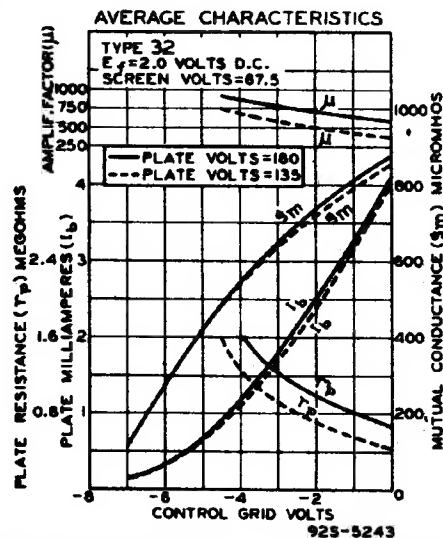
Grid-coupling resistor, if used, should not exceed 2.0 megohms.

DETECTOR

| | | | |
|--------------------|---------------------|-----------|--------------------|
| Typical Operation: | | Biased | Grid-Leak |
| Filament | 2.0 | 2.0 | 2.0 |
| Plate-Supply | 135 | 180 | 135 |
| Screen | 45 | 67.5 max. | Up to 45 |
| Grid | -4.5* | -6* | Return to (+) Fil. |
| Plate Load | 0.1* | 0.1* | 0.1* |
| Plate Cur. | Adjusted to 0.2 ma. | | |
| Grid Leak | - | - | 1-5 |
| Grid Condenser | - | - | 0.00025 |

* Or equivalent impedance. In designing circuits to use the 32 as a detector, it is desirable to work from the detector stage directly into the power output stage.

* Approximate.

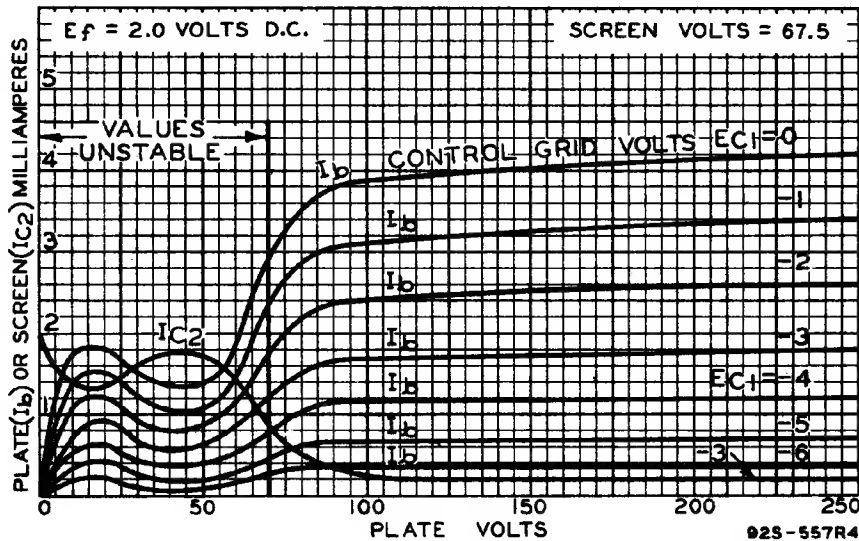


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RCA RADIOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.

DATA

AVERAGE PLATE CHARACTERISTICS



AVERAGE CHARACTERISTICS

